

REPORT

OF THE

HEALTH OF LIVERPOOL

DURING THE



MARCH AND JUNE QUARTERS OF THE YEAR 1867,

BY W. S. TRENCH, M.D.,

Medical Officer of Health for the Borough.

LIVERPOOL:

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HALF-YEARLY REPORT.

During the twenty-six weeks which comprise the first and second quarters of the year 1867, there were registered 7285 deaths in the Borough of Liverpool; making its death rate equal to 29.5 per 1000 per annum of the inhabitants. This shows a decrease of 2825 deaths as compared with the corresponding period of 1866, and of 1141 deaths as compared with the corrected averages of the last ten years. Of the total deaths, 3858 were males, and 3427 females, and 3230, or 44.4 per cent., were children below five years of age.

The number of births registered in the Borough of Liverpool during the half-year, amounted to 10,110 (or 5184 males and 4926 females); making the birth rate equal to 41.6 per 1000 per annum of the inhabitants.

TABLE OF MORTALITY ARRANGED IN WARDS.

WARDS.	QUARTERS.		TOTAL.
	March.	June.	
Scotland	592	468	1060
Vauxhall	181	153	334
St. Paul's	123	77	200
Exchange	146	78	224
St. Anne's.....	213	157	370
Lime Street	103	68	171
Castle Street.....	26	17	43
St. Peter's	45	46	91
Pitt Street	69	45	114
Gt. George	112	116	228
Rodney Street	133	106	239
Abercromby	129	98	227
Liverpool Workhouse	546	451	997
North Hospital	38	26	64
South „	25	22	47
Royal Infirmary	51	48	99
Lying-In Hospital	6	3	9
Parish of Liverpool	2538	1979	4517
Union Workhouse	96	67	163
Everton and Kirkdale.....	710	508	1218
West Derby.....	322	253	575
North Toxteth.....	195	197	392
South „	227	187	414
Everton Hospital.....	3	3	6
Out Townships.....	1553	1215	2768
Borough	4091	3194	7285

ZYMOTIC DISEASES.

Zymotic diseases occasioned 1368 deaths, being a decrease of 630 on the corrected averages of the last ten years, and of 1713 on the number registered under this class during the corresponding period of 1866. This gratifying diminution in the range of contagious disease was chiefly observed in those affections such as Typhus, Diarrhœa, and Small Pox, which are supposed to be either directly or mediately amenable to the influences of sanitary regulations.

The following table shows the position of the principal classes of diseases during the first and second quarters of the years 1865, 1866, and 1867.

DISEASES.	March Quarter.			June Quarter.			Half-year.		
	1865.	1866.	1867.	1865.	1866.	1867.	1865.	1866.	1867.
Small Pox	248	39	5	140	43	8	388	82	13
Measles	52	152	83	37	227	36	89	379	119
Scarlatina	72	198	182	32	205	145	104	403	327
Hooping Cough	30	291	137	31	331	120	61	622	257
Diarrhœa	51	86	48	120	114	73	171	200	121
Typhus and Infantile Fever.....	750	648	184	519	402	121	1269	1050	305
Zymotic Diseases.....	1386	1594	761	1014	1487	607	2400	3081	1368
Diseases of Variable Seat.....	113	119	112	127	107	103	240	226	215
Tubercular Diseases	680	732	673	645	678	634	1325	1410	1307
Diseases of Nervous System.....	381	431	372	336	398	345	717	829	717
" " Organs of Circulation...	152	154	118	131	126	114	283	280	232
" " Respiratory Organs.....	919	1283	1010	491	726	531	1410	2009	1541
" " Digestive "	136	160	142	137	152	140	273	312	282
" " Kidneys, &c.....	40	48	48	32	48	35	72	96	83
" " Uterus, &c.	35	17	28	20	22	24	55	39	52
" " Organs of Locomotion..	12	19	14	5	19	12	17	38	26
" " Integumentary System.	35	39	18	25	23	24	60	62	42
Malformations	5	10	8	8	5	5	13	15	13
Premature Birth	53	71	48	44	47	46	97	118	94
Atrophy and Debility.....	324	356	322	301	313	247	625	669	569
Old Age	162	171	146	130	126	106	292	297	252
Privation, Cold, &c.....	3	6	5	9	4	1	12	10	6
Violence, &c.	234	254	241	218	237	192	452	491	433
Causes not Specified	47	77	25	35	51	28	82	128	53
Total from all Causes.....	4717	5541	4091	3708	4569	3194	8425	10110	7285

MEASLES.

Measles accounted for only 1.6 per cent. of the deaths from all causes, or for 8.7 per cent of those from Zymotic diseases. It has gradually declined in prevalence and fatality since the months of May and June of 1866, and during the last half-year it occasioned 260 fewer deaths than during the

corresponding period of 1866. Of the total deaths from this disease, 66 were males and 53 were females, and 115 were children below 5 years of age.

WARDS.	MARCH QUARTER.		JUNE QUARTER.		HALF YEAR.	
	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.
Scotland.....	14	3	8	...	22	3
Vauxhall	4	...	1	...	5	...
St. Paul's.....	1	...	...	...	1	...
Exchange.....	2	1	2	...	4	1
St. Anne's.....	3	1	1	...	4	1
Lime Street.....	3	...	1	...	4	...
Castle Street.....	1	...	2	...	3	...
St. Peter's	2	...	2	...	4	...
Pitt Street.....	3	...	1	...	4	...
Gt. George.....	1	...	4	...	5	...
Rodney Street.....	4	...	...	...	4	...
Abercromby.....	3	...	1	...	4	...
Liverpool Workhouse.	13	...	...	...	13	...
Union do.	9	...	1	...	10	...
Everton and Kirkdale.	14	3	4	1	18	4
West Derby	1	1	5	...	6	1
North Toxteth.....	1	...	3	...	4	...
South do.	4	...	...	...	4	...
Unknown	...	13	...	...	...	13
Parish.....	54	...	23	...	77	...
Out Townships...	29	...	13	...	42	...
Borough.....	83	...	36	...	119	...

SCARLATINA.

Although the mortality from Scarlatina during the last half-year was 76 less than during the corresponding period of 1866, it still continues to be largely in excess of the corrected averages of the last ten years. It proved fatal to 168 males and 157 females, and to 246 children below 5

years of age ; and it accounted for 4.4 per cent. of the deaths from all causes, and to 23.9 per cent. of the deaths from Zymotic diseases.

WARDS.	MARCH QUARTER.		JUNE QUARTER.		HALF YEAR.	
	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.
Scotland	20	...	13	...	33	...
Vauxhall	2	...	1	...	3	...
St. Paul's	4	...	2	1	6	1
Exchange	5	...	1	...	6	...
St. Anne's	10	...	9	...	19	...
Lime Street	4	...	2	...	6	...
Castle Street	...	...	...	...	...	...
St. Peter's	1	...	6	...	7	...
Pitt Street.....	1	...	1	...	2	...
Great George.....	4	...	11	...	15	...
Rodney Street.....	11	...	14	...	25	...
Abercromby.....	7	...	3	...	10	...
L'pool Workhouse...	1	...	3	...	4	...
Union do.	...	...	...	...	...	...
Everton & Kirkdale..	47	...	28	...	75	...
West Derby	33	...	20	...	53	...
North Toxteth	15	...	16	...	31	...
South do.	16	...	15	...	31	...
Everton Hospital ...	1	...	...	...	1	...
Unknown	...	2	...	2	...	4
Parish	70	...	66	...	136	...
Out Townships	112	...	79	...	191	...
Borough.....	182	...	145	...	327	...

HOOPING COUGH.

The epidemic of Hooping Cough is apparently abating. In 1865 it occupied a very unimportant position in the registry of death ; accounting only for 61 cases in that year. It assumed in 1866 a virulence and a gravity which placed it only second to Typhus and to Cholera ; but

during the last half-year its fatality has again decreased to 116 below the corrected averages of the last ten years, and to 365 below that of the corresponding period of 1866. It accounts for 3.5 per cent. of deaths from all causes, and for 18.8 per cent of deaths from Zymotic diseases. It numbered amongst its victims 127 Males, 130 females, and 255 children below 5 years of age.

WARDS.	MARCH QUARTER.		JUNE QUARTER.		HALF YEAR.	
	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.
Scotland	25	2	20	2	45	4
Vauxhall	8	2	11	1	19	3
St. Paul's.....	10	1	7	...	17	1
Exchange.....	4	1	3	1	7	2
St. Anne's	14	...	5	...	19	...
Lime Street.....	5	1	2	...	7	1
Castle Street	...	...	2	...	2	...
St. Peter's	...	...	2	...	2	...
Pitt Street	3	...	1	...	4	...
Great George	3	...	3	...	6	...
Rodney Street.....	...	...	1	...	1	...
Abercromby	1	1	9	...	10	1
Liverpool Workhouse	14	...	12	...	26	...
Union Do.	...	...	2	...	2	...
Everton and Kirkdale	29	...	17	1	46	1
West Derby.....	6	...	12	...	18	...
North Toxteth.....	7	...	3	...	10	...
South do.	8	...	8	...	16	...
Unknown	...	6	...	9	...	15
Parish	87	...	78	...	165	...
Out Townships.	50	...	42	...	92	...
Borough.....	137	...	120	...	257	...

SMALL POX.

WARDS.	MARCH QUARTER.		JUNE QUARTER.		HALF YEAR.	
	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.
Scotland	1	...	3	2	4	2
Vauxhall	...	1	3	...	3	1
St. Paul's	...	...	...	...	...	...
Exchange	1	...	...	...	1	...
St. Anne's	...	...	...	...	...	...
Lime Street	...	...	...	...	...	...
Castle Street	...	...	...	...	...	...
St. Peter's	...	...	...	...	...	...
Pitt Street	1	...	...	...	1	...
Gt. George	...	...	...	...	...	...
Rodney Street	...	...	...	...	...	...
Abercromby	...	...	...	...	...	...
Liverpool Workhouse	1	...	2	...	3	...
Union do.	...	...	...	...	...	...
Everton and Kirkdale	...	...	...	...	...	...
West Derby	...	...	...	...	...	...
North Toxteth	...	...	...	...	...	...
South do.	1	...	...	...	1	...
Unknown	...	...	...	...	...	...
Parish	4	...	8	...	12	...
Out Townships...	1	...	...	...	1	...
Borough	5	...	8	...	13	...

DIARRHŒA.

WARDS.	MARCH QUARTER.		JUNE QUARTER.		HALF YEAR.	
	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.	Deaths in Wards.	Deaths in Hospitals tabulated into Wards from whence they came.
Scotland.....	13	...	22	2	35	2
Vauxhall.....	4	...	6	2	10	2
St. Paul's.....	2	...	4	...	6	...
Exchange.....	...	...	2	...	2	...
St. Anne's.....	2	...	4	...	6	...
Lime Street.....	1	1	2	...	3	1
Castle Street.....	...	...	...	...	...	...
St. Peter's.....	...	...	1	...	1	...
Pitt Street.....	1	...	...	...	1	...
Gt. George.....	1	1	2	...	3	1
Rodney Street.....	1	...	2	...	3	...
Abercromby.....	...	1	2	1	2	2
Liverpool Workhouse.	5	...	9	...	14	...
Union do.	1	...	...	...	1	...
Everton and Kirkdale.	10	...	8	1	18	1
West Derby.....	5	...	3	...	8	...
North Toxteth.....	...	...	5	...	5	...
South do.	2	...	...	...	2	...
North Hospital.....	...	...	1	...	1	...
Unknown.....	...	3	...	4	...	7
Parish.....	30	...	57	...	87	...
Out Townships...	18	...	16	...	34	...
Borough.....	48	...	73	...	121	...

TYPHUS.

The most gratifying feature in the mortality returns of the last half-year is the evident indication of the cessation of the virulence of the Typhus epidemic, which has so largely and fatally prevailed in the Borough of Liverpool since the year 1861. Typhus Fever is now confined to what may be considered its normal boundaries. It accounted for 305, or 4.1 per cent. of the deaths from all causes, and 22.2 per cent. of the deaths from

Zymotic diseases. Of these deaths 143 were from the labourers' class, 121 from the tradesmen, 8 from servants, 19 from seamen, 2 from soldiers, 5 from professional and mercantile. The history of 7 of the cases was unknown.

TOTAL DEATHS FROM FEVER IN THE BOROUGH.

DEATHS IN	Quarter.		Half Year.
	March.	June.	
Wards of the Borough	106	71	177
Liverpool Workhouse Hospital	71	37	108
West Derby Union Hospital	5	10	15
Everton Hospital	2	3	5
Total.....	184	121	305

Occupations of persons who (either themselves or members of their family) have died from Fever in the Workhouses or Hospitals of the Borough, tabulated into Wards from whence they came, during the March quarter.

LIVERPOOL WORKHOUSE.

OCCUPATIONS.	WARDS.													TOTAL.
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime street.	Castle street.	St. Peter's.	Pitt street.	Gt. George.	Rodney street.	Abercromby	Unknown.	
Labourers	19	11	5	1	4	4	1	1	2	1	...	...	6	55
Tradesmen	3	4	3	2	5	4	...	...	2	1	...	2	5	31
Servants.....	...	1	1	...	3	...	...	...	...	...	1	...	1	7
Seamen	1	1	1	...	...	1	...	...	2	3	...	...	...	9
Unknown	1	...	...	...	...	1	...	...	...	2	...	...	2	6
Males	16	12	4	2	2	4	1	...	2	3	...	...	8	54
Females	8	5	6	1	10	6	...	1	4	4	1	2	6	54
Total.....	24	17	10	3	12	10	1	1	6	7	1	2	14	108

UNION WORKHOUSE.

OCCUPATIONS.	WARDS.			TOTAL.
	Everton. and Kirkdale.	West Derby.	Un- known.	
Labourers	3	3	4	10
Tradesmen	1	3	...	4
Servants	...	...	...	...
Seamen	1	...	...	1
Males	4	4	4	12
Females	1	2	...	3
Total	5	6	4	15

EVERTON HOSPITAL.

OCCUPATIONS.	WARDS.				TOTAL
	Lime Street.	Everton and Kirkdale.	Scotland.	Unknown.	
Labourers	...	...	...	...	...
Tradesmen	1	2	1	1	5
Males	1	2	1	1	5
Females	...	...	...	...	...
Total	1	2	1	1	5

Occupations of persons who (either themselves or members of their family) have died from Fever in the different Wards of the Borough,

during the first six months of the year. Not included in the foregoing tables of deaths in Workhouses and Hospitals.

OCCUPATIONS.	WARDS.																TOTAL.
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	Castle Street	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby	Everton.	West Derby.	North Toxteth.	South Toxteth.	
Labourers.....	23	6	5	6	5	...	...	1	4	3	1	1	10	3	5	5	78
Tradesmen ...	13	4	4	6	11	5	...	...	4	3	...	2	18	9	1	1	81
Servants	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Seamen.....	3	...	2	1	...	...	...	...	...	...	...	...	2	1	...	...	9
Soldiers	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	2
Professions & Mercantile.	...	...	...	...	...	...	...	...	...	...	1	1	1	1	1	...	5
Unknown.....	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Males	26	5	10	4	11	1	...	...	5	4	1	3	20	6	1	5	102
Females.....	13	5	1	9	6	4	...	1	3	2	1	1	13	9	6	1	75
Total.....	39	10	11	13	17	5	...	1	8	6	2	4	33	15	7	6	177

THE TOXTETH WORKHOUSE.

Not included in the Mortality of the Borough, being beyond the Municipal Boundaries.

OCCUPATIONS.	WARDS.			TOTAL.
	North Toxteth.	South Toxteth.	Un-known.	
Labourers	...	2	1	3
Tradesmen	1	2	...	3
Servants	...	1	...	1
Unknown	...	1	...	1
Males	...	3	1	4
Females	1	3	...	4
Total	1	6	1	8

The Medical Officer is indebted to the kindness of Mr. HAGGER, Vestry Clerk, for the following valuable Tables.

PARISH OF LIVERPOOL.

Persons in receipt of Relief for the half-year ending June, 1867.

Week Ending.	Workhouse.	Industrial School.	Out Relief.
5 January, 1867	4253	1366	14,753
12 " "	4369	1363	15,631
19 " "	4445	1354	25,697
26 " "	4449	1354	29,324
2 February, "	4399	1351	17,978
9 " "	4406	1331	15,586
16 " "	4277	1329	15,056
23 " "	4263	1322	14,698
2 March, "	4253	1312	15,127
9 " "	4252	1287	15,632
16 " "	4319	1299	17,674
23 " "	4371	1261	19,619
30 " "	4396	1216	16,570
6 April, "	4283	1198	14,498
13 " "	4187	1195	13,664
20 " "	4108	1194	13,097
27 " "	4074	1189	13,108
4 May, "	3947	1181	12,847
11 " "	3814	1181	12,547
18 " "	3802	1181	12,401
25 " "	3672	1180	12,318
1 June, "	3602	1216	12,340
8 " "	3542	1250	12,029
15 " "	3540	1248	11,838
22 " "	3618	1236	11,703
29 " "	3548	1260	11,552
	106,189	32,864	397,287

RETURN OF INFECTIOUS DISEASES, &c., IN WORKHOUSE HOSPITAL.

1867. Week ending		TYPHUS.					SMALL POX.					MEASLES.					SCARLATINA.				
		No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.
Jany.	5	79	38	14	4	99	5	1	1	..	5	16	8	4	2	18	1	..	..	..	1
"	12	99	35	19	4	111	5	1	..	..	5	18	4	4	3	18	1	..	..	..	1
"	19	111	26	9	10	118	5	1	..	..	5	18	4	3	2	15	1	1	..	..	..
"	26	118	18	16	9	114	6	..	..	1	5	15	7	7	1	14	..	..	..	..	..
Feby.	2	114	30	30	4	110	5	..	..	..	5	14	1	2	..	13	..	..	..	..	..
"	9	110	18	19	8	101	5	..	5	..	..	13	10	4	2	17	2	2	..	..	..
"	16	101	18	28	4	87	..	..	..	..	..	17	3	3	4	13	2	..	..	..	..
"	23	87	19	40	2	64	..	..	..	..	..	13	5	8	2	13	2	1	1	..	..
March	2	64	9	15	6	52	..	..	..	..	..	13	7	10	..	10	1	..	1	..	..
"	9	52	25	12	5	60	..	2	..	..	2	10	1	5	2	6	1	..	..	..	..
"	16	60	20	12	9	62	2	..	..	..	2	6	..	3	..	3	2	..	..	..	..
"	23	62	20	24	5	53	2	..	..	..	2	3	..	1	..	2	4	2	1	..	..
"	30	53	16	12	5	52	2	..	1	..	2	2	2	..	..	2	4	3	2	..	..
April	6	52	11	20	1	42	1	1	6	1	7	3	1	..	..	4	4	8	4	2	7
"	13	42	15	9	1	47	7	1	5	2	4	4	..	..	..	1	7	4	2	2	7
"	20	47	10	13	1	44	7	1	1	..	3	1	..	3	..	4	4	4	2	..	6
"	27	44	18	20	3	39	3	1	5	..	3	1	..	1	..	9	9	8	2	..	1
May	4	39	12	8	4	39	5	2	1	..	5	1	..	..	..	1	1	..	..	..	1
"	11	39	9	12	4	32	5	1	1	..	5	..	..	..	..	..	1	..	..	..	1
"	18	32	18	7	7	36	5	2	1	1	5	..	..	..	..	..	1	1	1	..	1
"	25	36	14	17	4	31	5	3	2	2	9	..	..	..	..	..	1	..	..	..	2
June	1	31	14	9	2	32	6	..	2	..	9	1	1	..	..	1	2	1	..	..	2
"	8	32	16	14	4	32	9	2	1	..	4	2	1	..	..	3	2	..	..	..	2
"	15	32	18	15	2	35	4	..	1	..	5	3	1	..	..	3	2	..	..	1	4
"	22	35	15	12	3	35	5	2	1	..	4	..	1	..	..	..	4	..	..	..	5
"	29	35	14	13	5	31	4	..	2	..	2	..	5	3	..	..	5	3	..	..	8

These show that the average number of persons suffering from Typhus at one time in Hospital was 61, and their per centage death rate 18.9 ; the average number of Small Pox cases at one time in Hospital 4, and their per centage death rate 16.6 ; the average number of Measles at one time in Hospital 6, and the death rate 23 per cent. ; the average number of Scarlatina at one time in Hospital 2, and the per centage death rate 14.3.

The number of paupers in receipt of relief on Saturday, the 29th of June, was 16,360, or 1,156 more than at the same period in 1866.



